

Title (en)

Engine idle speed controller

Title (de)

Leerlaufdrehzahlregler für Brennkraftmaschine

Title (fr)

Régulateur de vitesse de ralenti d'un moteur à combustion interne

Publication

**EP 0881375 B1 20060607 (EN)**

Application

**EP 98109450 A 19980525**

Priority

- JP 13458597 A 19970526
- JP 13458697 A 19970526

Abstract (en)

[origin: EP0881375A2] The invention prevents engine speed from being decreased (or engine stall) by a disturbance (such as turning on the air conditioner) during idling. During idle control, a target idle speed is used as an engine speed parameter in place of the actual engine speed to calculate intake air, so that the engine speed is not decreased by a disturbance for very long. Also, target generation torque can be set so as to maintain target idle speed. <IMAGE>

IPC 8 full level

**F02D 31/00** (2006.01); **F02D 41/08** (2006.01); **F02D 41/16** (2006.01)

CPC (source: EP KR US)

**F02D 31/003** (2013.01 - EP KR US); **F02D 31/005** (2013.01 - EP US); **F02D 31/008** (2013.01 - EP US); **F02D 41/083** (2013.01 - EP US); **F02D 41/16** (2013.01 - KR); **F02D 2200/1006** (2013.01 - EP US); **F02D 2200/501** (2013.01 - KR); **F02D 2250/18** (2013.01 - EP KR US)

Cited by

EP1076165A3; CN103807039A; GB2368143B; EP1134109A3; EP2096287A3; EP2998551A4; EP2837806A4; WO03067061A1; US9644553B2; US9765714B2; US9897022B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0881375 A2 19981202**; **EP 0881375 A3 20000405**; **EP 0881375 B1 20060607**; DE 69834766 D1 20060720; DE 69834766 T2 20061019; EP 1469178 A2 20041020; EP 1469178 A3 20050608; KR 100284795 B1 20010315; KR 19980087335 A 19981205; US 6109236 A 20000829

DOCDB simple family (application)

**EP 98109450 A 19980525**; DE 69834766 T 19980525; EP 04015255 A 19980525; KR 19980018776 A 19980525; US 8411598 A 19980526